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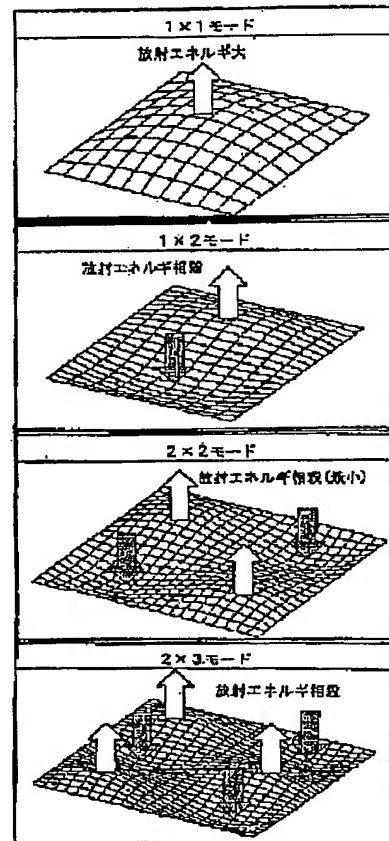
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TITLE : EMITTED SOUND REDUCING
METHOD FOR PANEL AND PANEL



ABSTRACT : PROBLEM TO BE SOLVED: To reduce emitted sound of a vehicle body panel so as reduce road noise of a vehicle at running at setting a vibration made exciting a panel to be a mode of low emission efficiency in the frequency to reduce emitted sound.

SOLUTION: When a vibration mode exciting a panel is set to be a (n×m) mode {(n) is the number of loop of vibration in a specified direction, (m) is the number of loop of vibration in the perpendicular direction to the fixed direction}, a vibration mode of low radiation efficiency is a vibration mode of (n×m) = an even number such as a 2×2 mode. In a 1×1 mode, the emission efficiency is high and the emitted sound is large, but in a 1×2 mode, a 2×2 mode, or a 2×3 mode, emitted sound is cancelled each other and the emission efficiency is lowered. Namely, when a vibration mode is set to be (n×m), a panel construction excited by a frequency to reduce emitting sound in a vibration mode of (n×m) = an even number is constituted, the harmful emitted sound is reduced.

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